## AMENDMENTS TO THE SPECIFICATION

Please make the following amendments to the Specification.

Replace paragraph 0086 with the following paragraph:

The present invention discloses 3815 novel viral genes of the VGAM group of genes, which have been detected bioinformatically, as described hereinbelow with reference to Tables 1 and 2 for VGAM1483. Laboratory confirmation of 4 genes of the GAM group of genes is described hereinbelow with reference to Figs. 12 through 14

Replace paragraph 0134 with the following paragraph:

The present invention discloses 90656 novel viral genes of the GR group of genes, which have been detected bioinformatically, as described hereinbelow with reference to Tables 1 and 2 for VGAM1483. Laboratory confirmation of 3 genes of the GR group of genes is described hereinbelow with reference to Figs. 9A through 14.

Replace paragraph 0137 with the following paragraph:

The present invention discloses a first plurality of novel genes referred to here as VGAM genes, and a second plurality of operonlike genes referred to here as GR genes, each of the GR genes encoding a plurality of VGAM genes. The present invention further discloses a very large number of known target-genes, which are bound by, and the expression of which is modulated by each of the novel genes of the present invention. Published scientific data referenced by the present invention provides specific, substantial, and credible evidence that the abovementioned target genes modulated by novel genes of the present invention, are associated with various diseases. Specific novel genes of the present invention, target genes thereof and diseases associated therewith, are described hereinbelow with reference to Tables 1 and 2 for VGAM1483. It is therefore appreciated that a function of VGAM genes and GR genes of the present invention is modulation of expression of target genes related to known diseases, and that therefore utilities of novel genes of the present invention include diagnosis and treatment of the Fig. 10 describes various types of abovementioned diseases. diagnostic and therapeutic utilities of novel genes of the present invention.

Delete paragraphs 0161-20715.

Following paragraph 20728, add the following table.

Table 1

GENE	PRECURSOR -SEQUENCE	P- SEQID	GENE -SEQ ID	G- SEQ	FOLDED PRECURSOR
====		=====	=====	====	
GAM 1483	GTGTGACGTG AGTCTGATCC GACGAGAGCG GCTTTCGTCG TGTTTTTCAT GCAGCTTTTA CAGACCATGA CAAGCCTGAC GAGAGCGTTC ATCGGGGCAT GAAGTACGCA TTACAC	37404	TGACA AGCCT AACAC TGAAC TTCA	37405	AG - A AACAC TT CAG TT TGA CGTG TC TG TCC TGAACGCTTTCGTCG GTTT TCATG CT T

Following paragraph 20729, add the following table.

Table 2

GENE	TARGET		SEQUENCE	SEQID	
GAM1483	C7	3 <b>'</b>			
			CA		
					ACT CGGACT CTCGTAAGT
					ATC TAC
GAM1 483	DUSP5	3 <b>'</b>	TGCAAGCCTGGTGACCACTCA	37407	A ACGA G
					TG CAAGCCTG GA CGTTCA
					AC GTTCGGAC CT GTGAGT
CAM1 493	ATP6V1F	3'	TGGCAAGCCTGGGGAGAG	37408	CA G A AC
GAMI 403	AIFOVII	J	1 GGCAAGCC 1 GGGGAGAG	3/400	TG CAAGCCTG GAGAG
					AC GTTCGGAC CTCTC
					C CC
GAM1483	DKFZP564C	103	3' TGATGGCCTGACGCTCTCT	rca 3740	9 CAA AGAGCG
					TGA GCCTGACG TTCA
					ACT CGGACTGC AAGT
					AC_ GAGAG_
GAM1 483	KIAA0561	5'	GATGAGCTTGACGAGAGGGT	37410	CA C C
					GA AGC TGACGAGAG GT
					 CT TCG ACTGCTCTC CA
					AC A C
GM1483	KIAA0935	3 <b>'</b>	TGGCAAGCCTGGCAGGGC	37411	A A G A
31111 103	1.111110000	,		9 / 111	TG CAAGCCTG C AG GC

GAM1 483	MIC2L1	3'	GACAAGCCTGACAAAGTTCA	37412	AC GTTCGGAC G TC CG C C C AGC GACAAGCCTGACGAG GTTCA
GAM1483	PPP4R1L	5 <b>'</b>	TGACAAGTCTGATGAAGAGCG	37413	C C_ TGACAAG CTGA GAGAGCG
GAM1483	ZAK	3'	TGACAAGCCAGATCAGTTC	37414	TGACG GC_ TGACAAGCC AGA GTTC              ACTGTTCGG TCT CAAG AGT
GAM1483	LOC149566	3'	TGACAAGTTGGGTGAACGTT	37415	CC ACGA TGACAAG TG GAGCGTT                  ACTGTTC AC CTTGCAA A CCA
GAM1483	LOC150368	3'	TGGCAAGCCTGTGACAGTCTC	37416	A AC G CG TG CAAGCCTG GA AG TTC                         AC GTTCGGAC CT TC GAG C A G A
GAM1483	LOC255718	5'	TGACAGGCCTGAGGGTCC	37417	A CGAGA C TGACA GCCTGA G GTTC                    ACTGT CGGACT C CAGG C C

Delete paragraphs 20730-57115 and 57131-81271.

Delete the 9720 page-long tabular section at the end of the specification.

Delete Tables 1 and 2, which were submitted on compact disc.